



CLOSED LOOP TREATMENT CS975

DESCRIPTION

CS975 is a slightly viscous liquid silicate solution having a silica content of approximately 30%. It is used to control corrosion in potable water systems. It is specifically designed to control corrosion due to low mineral or carbon dioxide content.

APPLICATION

May be applied to once-through, potable water systems, and in chill and hot water circulating systems. To obtain maximum corrosion control, an initial thirty day treatment on a continuous basis must be maintained at 82 ppm CS975 (24 ppm SiO₂). For potable waters the maximum dosage should not exceed 10 ppm as SiO₂.

PHYSICAL PROPERTIES

Color & Form Translucent water-white
Specific Gravity 1.39
Density 11.6 lbs/gal
pH 11.0
Odor None

DOSAGE & FEEDING

CS975 requires only simple flow proportional feeding control where flows of the water to be treated only fluctuate minimally. Where water flows fluctuate widely, and at times stop, it is recommended that a water meter impulse feed system be used. CS975 may be fed neat or in water solutions of any convenient strength.

HANDLING & PRECAUTIONS

CS975 should be handled as an alkaline material. Wash thoroughly after handling. Can cause eye and skin irritation. In case of eye contact, flush with large quantities of water for at least 15 minutes. Obtain medical attention. Flush affected skin with water.

CS975 is not harmful to health. CS975 will qualify for a G-3 classification under the USDA grading program for use in treating potable water supplies.

CS975 will freeze at 30°F. Upon freezing, water crystals separate and collect in the upper portion of the container. Complete freeze-thaw-recovery can only be obtained by remixing the thawed liquid to recombine the viscous liquid at the lower portion of the container with the water layer at the top. Viscosity of a homogeneous sample of CS975 at 20°C. is 180 centipoise.

Refer to *Material Safety Data Sheet* for additional safe handling information.

PACKAGING

CS975 liquid is available in:

5-gallon pailsnet wt 55 lbs
55-gallon drums.....net wt 630 lbs